

## Section A (MCQs)

Q.1 Choose the correct answer for each from the given options.

- (i) The process in which molecules escape from the surface of liquid is called,  
(a) sublimation (b) Evaporation (c) Boiling (d) Melting
- (ii) The dispersed particles in suspension are generally of the size,  
(a) 10 nm (b) 100 nm (c) 1200 nm (d) 1 nm
- (iii) One Faraday is equivalent of \_\_\_\_\_ coulombs.  
(a) 95600 (b) 96500 (c) 94500 (d) 96000
- (iv) The formula of washing soda is:  
(a)  $\text{Na}_2\text{CO}_3$  (b)  $\text{Na}_2\text{CO}_3 \cdot \text{H}_2\text{O}$  (c)  $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$  (d)  $\text{NaHCO}_3$
- (v) When ammonium chloride is heated with a base, the gas liberated is:  
(a) Ammonia (b) Oxygen (c) Nitrogen (d) Nitric oxide
- (vi) The density of rhombic sulphur is:  
(a) 1.96 (b) 1.92 (c) 2.4 (d) 2.08
- (vii) The most abundant and useful halogen is :  
(a) Bromine (b) Fluorine (c) Iodine (d) Chlorine
- (viii) The formula of iron rust is:  
(a)  $\text{Fe}_2\text{O}_3$  (b)  $\text{Fe}_3\text{O}_4$  (c)  $\text{Fe}_2\text{O}_3 \cdot \text{H}_2\text{O}$  (d)  $\text{FeO}$
- (ix) Natural gas mainly consists of:  
(a) Methane (b) Ethane (c) propane (d) Butane
- (x) Sodium hydroxide is prepared at large scale by the following method:  
(a) Electrolysis process (b) Saponification method  
(c) Hydrolysis (d) None of these
- (xi) During an endothermic reaction,  
(a) Container used becomes cold (b) container used becomes hot  
(c) The temperature of container used remains same  
(d) Total energy of reactant increase
- (xii) A human being consumes water about \_\_\_\_\_ every day.  
(a) 5 litres (b) 2 litres (c) 2.5 litres (d) 1.0 litres.
- (xiii) Diamond is used as abrasive because it is:  
(a) Hard (b) Soft  
(c) Cubic (d) Bad conductor of electricity
- (xiv) The sum of the atomic masses of all atoms in a formula unit of substance is called:  
(a) Empirical formula (b) Molecular formula  
(c) Molecular mass (d) Formula mass
- (xv) The number of isotopes of hydrogen is:  
(a) 2 (b) 3 (c) 4 (d) None of these
- (xvi) The only liquid metal is \_\_\_\_\_  
(a) Molybdenum (b) Gallium (c) Mercury (d) Bromine
- (xvii) The bond which is formed by one sided sharing of pair of electron is called:  
(a) Ionic bond (b) Covalent bond  
(c) Coordinate Covalent bond (d) Chemical bond